

FILE 'CAPLUS' ENTERED AT 18:46:04 ON 14 FEB 2002  
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FILE 'WPIDS' ENTERED AT 18:46:04 ON 14 FEB 2002  
COPYRIGHT (C) 2002 DERWENT INFORMATION LTD

FILE 'USPATFULL' ENTERED AT 18:46:04 ON 14 FEB 2002  
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> perfume(p)(polysaccharide conjugate#)  
L1 3 PERFUME(P)(POLYSACCHARIDE CONJUGATE#)

=> d 11 1-3 ibib ab

L1 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1999:464323 CAPLUS  
DOCUMENT NUMBER: 131:117685  
TITLE: Polysaccharide conjugate capable of binding cellulose  
INVENTOR(S): Berry, Mark John; Davis, Paul James; Gidley, Michael John  
PATENT ASSIGNEE(S): Unilever N.V., Neth.; Unilever PLC  
SOURCE: PCT Int. Appl., 34 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9936469	A1	19990722	WO 1998-EP8551	19981223
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 9925150	A1	19990802	AU 1999-25150	19981223
BR 9813358	A	20001003	BR 1998-13358	19981223
EP 1047725	A1	20001102	EP 1998-966867	19981223
R:	DE, ES, FR, GB, IT			
ZA 9900191	A	20000712	ZA 1999-191	19990112
US 6225462	B1	20010501	US 1999-229043	19990112
PRIORITY APPLN. INFO.:			EP 1998-300292 A	19980116
			WO 1998-EP8551 W	19981223

AB A polysaccharide conjugate comprises a polysaccharide with an attached entity having a mol. wt. of at least 5000, the polysaccharide conjugate being capable of binding to cellulose. Preferred polysaccharides include tamarind seed xyloglucan, locust bean gum and enzyme modified guar. The attached entity is suitably a protein such as an enzyme, antibody or antibody fragment, or a particle possibly having a benefit agent such as a fragrance assocd. therewith. Because the polysaccharide conjugate binds to cellulose, which is present in cotton and other fabrics, paper, etc., binding of the conjugate to cellulose brings the attached entity into close proximity to a surface of or contg. cellulose. The invention thus enables targeting of attached entities to such surfaces. The invention also provides a product incorporating the polysaccharide conjugate of the invention. The product is conveniently a laundry product such as a fabric washing product, e.g., a detergent product, or a fabric conditioning

product. In this case the attached entity may be an enzyme, a particle bearing fragrance, etc. The invention also provides a method of targeting binding of an entity to cellulose by use of the polysaccharide conjugate of the invention.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:460287 CAPLUS

DOCUMENT NUMBER: 131:103778

TITLE: Polysaccharide-perfume conjugate capable of binding to cellulose such as cotton fabric during laundering

PATENT ASSIGNEE(S): Quest International B.V., Neth.

SOURCE: Eur. Pat. Appl., 8 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 930334	A1	19990721	EP 1998-300291	19980116
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
WO 9936470	A1	19990722	WO 1999-GB145	19990115
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9920683	A1	19990802	AU 1999-20683	19990115
BR 9906976	A	20001031	BR 1999-6976	19990115
EP 1047726	A1	20001102	EP 1999-901057	19990115
R: DE, GB				

PRIORITY APPLN. INFO.: EP 1998-300291 A 19980116  
WO 1999-GB145 W 19990115

AB A **polysaccharide conjugate** comprises a polysaccharide attached to a particle carrying **perfume**, the **polysaccharide conjugate** being capable of binding to cellulose. Preferred polysaccharides include tamarind seed xyloglucan, locust bean gum and enzyme modified guar. Because the **polysaccharide conjugate** binds to cellulose, which is present in cotton and other fabrics, paper, etc, binding of the conjugate to cellulose brings the **perfume**-bearing particle into close proximity to a surface of or contg. cellulose. The invention thus enables targeting of **perfume**-bearing particles to such surfaces. The invention also provides a product incorporating the **polysaccharide conjugate** of the invention. The product is conveniently a laundry product such as a fabric washing product, eg a detergent product, or a fabric conditioning product. The invention also provides a method of targeting binding of a particle carrying **perfume** to cellulose by use of the **polysaccharide conjugate** of the invention.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 3 OF 3 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD

ACCESSION NUMBER: 1999-387697 [33] WPIDS

DOC. NO. CPI: C1999-114235

TITLE: Polysaccharide/perfume conjugate used in detergent and

fabric softener compositions.  
 DERWENT CLASS: D16 D17 D25  
 INVENTOR(S): BERRY, M J; DAVIS, P J; GIDLEY, M J  
 PATENT ASSIGNEE(S): (UNIL) QUEST INT BV  
 COUNTRY COUNT: 84  
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
EP 930334	A1	19990721	(199933)*	EN	8
R: AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
WO 9936470	A1	19990722	(199936)	EN	
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW					
AU 9920683	A	19990802	(199954)		
EP 1047726	A1	20001102	(200056)	EN	
R: DE GB					
BR 9906976	A	20001031	(200060)		

#### APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 930334	A1	EP 1998-300291	19980116
WO 9936470	A1	WO 1999-GB145	19990115
AU 9920683	A	AU 1999-20683	19990115
EP 1047726	A1	EP 1999-901057	19990115
		WO 1999-GB145	19990115
BR 9906976	A	BR 1999-6976	19990115
		WO 1999-GB145	19990115

#### FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9920683	A Based on	WO 9936470
EP 1047726	A1 Based on	WO 9936470
BR 9906976	A Based on	WO 9936470

PRIORITY APPLN. INFO: EP 1998-300291 19980116

AB EP 930334 A UPAB: 19990819

NOVELTY - A **polysaccharide conjugate** which can bind to cellulose comprises a polysaccharide attached to a **perfume** carrying particle.

USE - The composition may be used to target binding of a particle carrying **perfume** to cellulose. It is especially used in laundry products, e.g. detergents or fabric softeners (all claimed), or in personal or paper products (e.g. disposable paper wipes).

ADVANTAGE - The polysaccharides used are inexpensive and are already accepted for food use. The conjugates allow binding of polysaccharides with much larger attached particles to cellulose than previously observes (see e.g. Hayashi et al; Plant Phisiol. (1987) 83, 384-389)  
 Dwg.0/0

=> perfume(p)polysaccharide#

L2 471 PERFUME(P) POLYSACCHARIDE#

```

=> s 12 and glycan
L3          1 L2 AND GLYCAN

=> s 13 not 11
L4          0 L3 NOT L1

=> s 12 and glucan
L5          11 L2 AND GLUCAN

=> s 12 and (mannan or xylan)
L6          18 L2 AND (MANNAN OR XYLAN)

=> s 15 and 16
L7          6 L5 AND L6

=> dup rem 17
PROCESSING COMPLETED FOR L7
L8          5 DUP REM L7 (1 DUPLICATE REMOVED)

=> d 18 1-5 ibib ab

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L8  ANSWER 1 OF 5  USPATFULL
ACCESSION NUMBER: 2001:32816  USPATFULL
TITLE:           Composition for external use
INVENTOR(S):     Abe, Koji, Kanagawa, Japan
                  Miyahara, Reiji, Kanagawa, Japan
                  Nanba, Tomiyuki, Kanagawa, Japan
                  Nakamura, Tadashi, Kanagawa, Japan
                  Hayashi, Toshikatsu, Kanagawa, Japan
                  Seki, Nozomiko, Kanagawa, Japan
                  Uehara, Keiichi, Osaka, Japan
                  Nishiyama, Syoji, Kanagawa, Japan
PATENT ASSIGNEE(S): Shiseido Company, Ltd., Tokyo, Japan (non-U.S.
                  corporation)

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	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6197318	B1	20010306
	WO 9926590		19990603
APPLICATION INFO.:	US 1999-341146		19990716 (9)
	WO 1998-JP4040		19980909
			19990716 PCT 371 date
			19990716 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1997-337916	19971120
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Dodson, Shelley A.	
LEGAL REPRESENTATIVE:	Townsend & Banta	
NUMBER OF CLAIMS:	27	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2291	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition for external use which contains xyloglucan. It preferably further contains an ultraviolet shielding agent, a thickening polysaccharide, a thickening polysaccharide and sericin, a carboxyvinylpolymer, or an alkyl-modified carboxyvinylpolymer.

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L8  ANSWER 2 OF 5  CAPLUS  COPYRIGHT 2002 ACS  DUPLICATE 1
ACCESSION NUMBER: 1999:818986  CAPLUS
DOCUMENT NUMBER:  132:54584

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TITLE: Hair and skin composition containing a polysaccharide and an acrylic terpolymer  
 INVENTOR(S): Dupuis, Christine  
 PATENT ASSIGNEE(S): L'Oreal, Fr.  
 SOURCE: Eur. Pat. Appl., 10 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 966949	A1	19991229	EP 1999-401433	19990611
EP 966949	B1	20011128		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2779638	A1	19991217	FR 1998-7515	19980615
FR 2779638	B1	20000804		
AU 712211	B1	19991028	AU 1999-33965	19990609
KR 2000006059	A	20000125	KR 1999-21482	19990610
AT 209478	E	20011215	AT 1999-401433	19990611
CN 1243698	A	20000209	CN 1999-110893	19990614
BR 9902814	A	20000530	BR 1999-2814	19990614
US 6261578	B1	20010717	US 1999-332006	19990614
JP 2000007539	A2	20000111	JP 1999-168301	19990615

PRIORITY APPLN. INFO.: FR 1998-7515 A 19980615

AB The title compn. is disclosed. A hair gel contained a 25% dispersion of methacrylic acid-Me acrylate-ethoxylated behenyl dimethylmetaisopropenylbenzyl isocyanate terpolymer 0.5 g, hydroxypropyl guar gum 0.5, 2-amino-2-Me propanol q.s. pH = 7.5, perfume, preservative, and water q.s. 100 g.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:464323 CAPLUS

DOCUMENT NUMBER: 131:117685

TITLE: Polysaccharide conjugate capable of binding cellulose

INVENTOR(S): Berry, Mark John; Davis, Paul James; Gidley, Michael John

PATENT ASSIGNEE(S): Unilever N.V., Neth.; Unilever PLC

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9936469	A1	19990722	WO 1998-EP8551	19981223
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9925150	A1	19990802	AU 1999-25150	19981223
BR 9813358	A	20001003	BR 1998-13358	19981223
EP 1047725	A1	20001102	EP 1998-966867	19981223

R: DE, ES, FR, GB, IT

ZA 9900191 A 20000712 ZA 1999-191 19990112  
US 6225462 B1 20010501 US 1999-229043 19990112

PRIORITY APPLN. INFO.: EP 1998-300292 A 19980116  
WO 1998-EP8551 W 19981223

AB A polysaccharide conjugate comprises a polysaccharide with an attached entity having a mol. wt. of at least 5000, the polysaccharide conjugate being capable of binding to cellulose. Preferred polysaccharides include tamarind seed xyloglucan, locust bean gum and enzyme modified guar. The attached entity is suitably a protein such as an enzyme, antibody or antibody fragment, or a particle possibly having a benefit agent such as a fragrance assocd. therewith. Because the polysaccharide conjugate binds to cellulose, which is present in cotton and other fabrics, paper, etc., binding of the conjugate to cellulose brings the attached entity into close proximity to a surface of or contg. cellulose. The invention thus enables targeting of attached entities to such surfaces. The invention also provides a product incorporating the polysaccharide conjugate of the invention. The product is conveniently a laundry product such as a fabric washing product, e.g., a detergent product, or a fabric conditioning product. In this case the attached entity may be an enzyme, a particle bearing fragrance, etc. The invention also provides a method of targeting binding of an entity to cellulose by use of the polysaccharide conjugate of the invention.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:460287 CAPLUS

DOCUMENT NUMBER: 131:103778

TITLE: **Polysaccharide-perfume** conjugate  
capable of binding to cellulose such as cotton fabric  
during laundering

PATENT ASSIGNEE(S): Quest International B.V., Neth.

SOURCE: Eur. Pat. Appl., 8 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 930334	A1	19990721	EP 1998-300291	19980116
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
WO 9936470	A1	19990722	WO 1999-GB145	19990115
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9920683	A1	19990802	AU 1999-20683	19990115
BR 9906976	A	20001031	BR 1999-6976	19990115
EP 1047726	A1	20001102	EP 1999-901057	19990115

R: DE, GB

PRIORITY APPLN. INFO.: EP 1998-300291 A 19980116  
WO 1999-GB145 W 19990115

AB A **polysaccharide** conjugate comprises a **polysaccharide** attached to a particle carrying **perfume**, the **polysaccharide** conjugate being capable of binding to cellulose.

Preferred **polysaccharides** include tamarind seed xyloglucan, locust bean gum and enzyme modified guar. Because the **polysaccharide** conjugate binds to cellulose, which is present in cotton and other fabrics, paper, etc, binding of the conjugate to cellulose brings the **perfume**-bearing particle into close proximity to a surface of or contg. cellulose. The invention thus enables targeting of **perfume**-bearing particles to such surfaces. The invention also provides a product incorporating the **polysaccharide** conjugate of the invention. The product is conveniently a laundry product such as a fabric washing product, eg a detergent product, or a fabric conditioning product. The invention also provides a method of targeting binding of a particle carrying **perfume** to cellulose by use of the **polysaccharide** conjugate of the invention.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 5 USPATFULL

ACCESSION NUMBER: 96:45073 USPATFULL

TITLE: Process for the non-lasting reshaping of keratinous fibres

INVENTOR(S): Sturla, Jean-Michel, Saint-Cloud, France

PATENT ASSIGNEE(S): L'Oreal, Paris, France (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5520200		19960528
APPLICATION INFO.:	US 1994-357373		19941216 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 1993-15478	19931222
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Weiss, John G.	
LEGAL REPRESENTATIVE:	Finnegan, Henderson, Farabow, Garrett & Dunner	
NUMBER OF CLAIMS:	28	
EXEMPLARY CLAIM:	1	
LINE COUNT:	467	

AB The invention relates to a treatment process for obtaining a non-permanent reshaping of keratinous fibres, especially the setting of hair, comprising the steps of (i) contacting the fibres, which are maintained under mechanical tension and to which has been applied a composition consisting essentially of at least one polysaccharide and/or polysaccharide derivative, optionally combined with at least one silicone and/or oil, with a gas containing water vapor, the gas having a temperature of at least 75.degree. C., for a time not exceeding 2 minutes to non-permanently reshape the fibres, (ii) cooling the fibres thus contacted, and lastly (iii) removing the mechanical tension which was applied to the fibres, in order to obtain fibres having long-lasting, attractive curls and exceptional cosmetic properties of softness and smoothness.

=> d his

(FILE 'HOME' ENTERED AT 18:42:21 ON 14 FEB 2002)

FILE 'CAPLUS, WPIDS, USPATFULL' ENTERED AT 18:46:04 ON 14 FEB 2002

L1 3 PERFUME(P) (POLYSACCHARIDE CONJUGATE#)  
L2 471 PERFUME(P) POLYSACCHARIDE#  
L3 1 S L2 AND GLYCAN  
L4 0 S L3 NOT L1  
L5 11 S L2 AND GLUCAN

L6 18 S L2 AND (MANNAN OR XYLAN)  
L7 6 S L5 AND L6  
L8 5 DUP REM L7 (1 DUPLICATE REMOVED)

=> s 15 or 16

L9 23 L5 OR L6

=> s 19 not 11 not 17

L10 17 L9 NOT L1 NOT L7

=> dup rem l10

PROCESSING COMPLETED FOR L10

L11 17 DUP REM L10 (0 DUPLICATES REMOVED)

=> d l11 1-17 ibib ab

L11 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:174052 CAPLUS

DOCUMENT NUMBER: 134:227109

TITLE: Bath preparations

INVENTOR(S): Yano, Yoshihiro; Shimada, Kunio; Hosoya, Ryuzo

PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2001064157	A2	20010313	JP 1999-246518	19990831
AB	Bath preps. showing excellent moisturizing effects comprise hydrophilic group-contg. <b>polysaccharide</b> derivs. with/without lysophospholipids. A bath prepn. contained pullulan cholesterol deriv. 30, anhyd. sodium sulfate 69, blue color no. 1 0.05 and <b>perfumes</b> 0.95 g.				

L11 ANSWER 2 OF 17 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD

ACCESSION NUMBER: 2001-160577 [17] WPIDS

DOC. NO. CPI: C2001-048043

TITLE: Biodegradable, skin-compatible, crosslinker-free biopolymer preparation, useful in cosmetic, medicinal or foodstuff applications, obtained by precipitation and dehydration.

DERWENT CLASS: B07 D13 D21

INVENTOR(S): HEILEMANN, A; HOLZER, J; SANDER, A; SCHAEFER, G

PATENT ASSIGNEE(S): (COGN-N) COGNIS DEUT GMBH

COUNTRY COUNT: 20

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
DE 19932076	A1	20010118	(200117)*		9
WO 2001004187	A1	20010118	(200117)	GE	
RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE.					
W: JP US					

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
DE 19932076	A1	DE 1999-19932076	19990712



PRIORITY APPLN. INFO: DE 1999-19932076 19990712

AB DE 19932076 A UPAB: 20010328

NOVELTY - A new crosslinker-free preparation (I) is obtained by treating an aqueous solution and/or homogenized suspension of biopolymers (II) with precipitating agents (III) then dehydrating.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for the preparation of (I) as above.

ACTIVITY - Hemostatic; vulnerary.

MECHANISM OF ACTION - None given.

USE - The use of (I) is claimed as a cosmetic agent, a medicament and/or medicinal product, a foodstuff or a food additive. Typically (I) is used as a cosmetic agent in the form of a dry film, absorber, mask or hemostatic foam for small wounds (e.g. shaking cuts); as a medicament or medicinal product in the form of a wound plug, wound or burn dressing, drug-releasing dressing, mono-woven or carrier for oral administration of drugs (e.g. analgesics or antibiotics); or as a nutritional supplement, dietetic foodstuff or food additive.

ADVANTAGE - (I) has mechanical properties comparable with those of prior art products obtained using chemical crosslinkers (due to physical crosslinking induced by (III)), but is free of chemical crosslinker-associated problems such as induction of skin irritation or allergies and reduction of biodegradability. (I) can be prepared with a 3-dimensional structure, in the form of a block, non-woven or mask; has good mechanical stability (in the wet or dry state), elasticity, swellability and water uptake properties; has good compatability with skin and with other ingredients; is completely biodegradable; and can be prepared easily on an industrial scale. Typically (I) has an impact resistance at break (DIN 53 571, test piece B) of 10-1000 (especially 50-200) mJ/mm<sup>2</sup> in the dry state or 10-500 (especially 30-100) mJ/mm<sup>2</sup> in the wet state; an extension at break of 1-50 (especially 5-20)% in the dry state; and a water uptake capacity of at least 5 (especially at least 15) g/g.

Dwg.0/0

L11 ANSWER 3 OF 17 USPTFULL

ACCESSION NUMBER: 2001:194392 USPTFULL

TITLE: Laundry treatment for fabrics

INVENTOR(S): Finch, Timothy David, Wirral, Great Britain  
Hopkinson, Andrew, Wirral, Great Britain

PATENT ASSIGNEE(S): Unilever Home &amp; Personal Care USA, Division of Conopco, Inc. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001036907	A1	20011101
APPLICATION INFO.:	US 2001-821613	A1	20010329 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2000-7664	20000329
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER, NJ, 07020	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1296	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A laundry treatment composition comprising a water-soluble or water-dispersible rebuild agent for deposition onto a fabric during a

treatment process wherein the material undergoes during the treatment process, a chemical change by which change the affinity of the material for the fabric is increased.

L11 ANSWER 4 OF 17 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD  
ACCESSION NUMBER: 2001-146672 [15] WPIDS  
DOC. NO. CPI: C2001-043340  
TITLE: Starch-free treating composition for treating fabrics and natural fibers, comprises polysaccharide with beta-linked backbone, having specific polymerization degree.  
DERWENT CLASS: A11 A97 D25 F06  
INVENTOR(S): BARNABAS, F A; BARNABAS, M V; SHOWELL, M S; SMETS, J  
PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO  
COUNTRY COUNT: 90  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2000065014	A1	20001102	(200115)*	EN	101
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL					
OA PT SD SE SL SZ TZ UG ZW					
W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES					
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS					
LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL					
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW					
AU 2000046599	A	20001110	(200115)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000065014	A1	WO 2000-US11016	20000425
AU 2000046599	A	AU 2000-46599	20000425

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2000046599	A Based on	WO 200065014

PRIORITY APPLN. INFO: US 1999-131287P 19990427

AB WO 200065014 A UPAB: 20010317

NOVELTY - A starch-free fabric treating composition comprises a polysaccharide having a degree of polymerization of more than 40. The polysaccharide has a beta-linked backbone.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the starch-free treatment of fabric using a composition containing polysaccharide. The fabric is chosen from cotton, rayon, ramie, jute, flax, linen, polynosic-fibers, lyocell, poly/cotton, other cotton blends and their mixtures.

USE - For treating fabrics and natural fibers such as cellulose fibers especially cotton, rayon, ramie, jute, flax, linen, polynosic fibers, lyocell, poly/cotton and other cotton blends (all claimed).

ADVANTAGE - The treatment composition improves color appearance, pill prevention property, abrasion resistance, wrinkle resistance and shrinkage resistance of the fabric when compared to the compositions devoid of polysaccharides. The treating composition can be a solid, dimple tablet, liquid, paste, gel, spray, stick or foam. The fabric treatment has wide industrial and domestic applications.

Dwg.0/0

L11 ANSWER 5 OF 17 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD  
ACCESSION NUMBER: 2000-375944 [32] WPIDS

CROSS REFERENCE: 2000-375942 [30]; 2000-387040 [30]  
 DOC. NO. CPI: C2000-113571  
 TITLE: Restoration of fabric color comprises treatment of fabric with a composition containing color care actives.  
 DERWENT CLASS: A18 A97 D25  
 INVENTOR(S): BARNABAS, M V; SMITH, J W; TORDIL, H B; TRINH, T  
 PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO  
 COUNTRY COUNT: 91  
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2000024858	A1	20000504	(200032)*	EN	82
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW					
W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW					
AU 2000011330	A	20000515	(200039)		
EP 1124924	A1	20010822	(200149)	EN	
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
BR 9914747	A	20011002	(200167)		

#### APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000024858	A1	WO 1999-US24925	19991022
AU 2000011330	A	AU 2000-11330	19991022
EP 1124924	A1	EP 1999-955158	19991022
		WO 1999-US24925	19991022
BR 9914747	A	BR 1999-14747	19991022
		WO 1999-US24925	19991022

#### FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2000011330	A Based on	WO 200024858
EP 1124924	A1 Based on	WO 200024858
BR 9914747	A Based on	WO 200024858

PRIORITY APPLN. INFO: US 1998-105375P 19981023

AB WO 200024858 A UPAB: 20011119

NOVELTY - Restoration of fabric color comprises treatment of fabric with a color care active to cause reduction in percentage reflectance, a hunter L value and a percentage pill number.

DETAILED DESCRIPTION - Restoration and/or rejuvenation of the color of a worn, faded color fabric comprises applying a fabric color care active (I) to the fabric to change the properties of a worn, faded black cotton (chino) twill test fabric, resulting in:

(A) a percentage reflectance reductance delta R of at least about 3 (particularly 10);

(B) A hunter L value delta L of at least about 0.5 (particularly 2); and

(C) a percentage pill number reduction delta P of at least about 10 (particularly 80).

INDEPENDENT CLAIMS are also included for:

(a) manufacturing an article in a package, comprising a fabric color care composition (II) containing (I); and

(b) worn, faded color fabric having improved color characteristics

comprising (I) attached to be fabric.

USE - To restore and/or rejuvenate color of worn and faded color fabric (claimed)

ADVANTAGE - The method improves the color fidelity i.e. recovers, restores, rejuvenates, color of worn, damaged clothing upon a single application. The method optionally provides fabric care benefits such as wrinkle removal, fill prevention, anti-shrinkage and fabric shape retention.

Dwg.0/0

L11 ANSWER 6 OF 17 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD  
ACCESSION NUMBER: 2000-375942 [32] WPIDS  
CROSS REFERENCE: 2000-375944 [30]; 2000-387040 [30]  
DOC. NO. CPI: C2000-113569  
TITLE: Fabric care composition used for treating fabric, preferably by spraying, to improve properties of fabrics comprising a fabric care polysaccharide with globular structure.  
DERWENT CLASS: A14 A26 A97 D17 D25 E11 E13  
INVENTOR(S): BARNABAS, F A; SHOWELL, M S; SINE, M R; SMETS, J; TORDIL, H B; TRINH, T; VIJAYARANI, M; WERNICKE, T M; BARNABAS, M V  
PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO  
COUNTRY COUNT: 91  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2000024856	A1	20000504	(200032)*	EN	180
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW					
W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW					
AU 2000013211	A	20000515	(200039)		
EP 1123374	A1	20010816	(200147)	EN	
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
BR 9915536	A	20011016	(200170)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000024856	A1	WO 1999-US24942	19991022
AU 2000013211	A	AU 2000-13211	19991022
EP 1123374	A1	EP 1999-956654	19991022
		WO 1999-US24942	19991022
BR 9915536	A	BR 1999-15536	19991022
		WO 1999-US24942	19991022

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2000013211	A Based on	WO 200024856
EP 1123374	A1 Based on	WO 200024856
BR 9915536	A Based on	WO 200024856

PRIORITY APPLN. INFO: US 1998-105375P 19981023

AB WO 200024856 A UPAB: 20011129

NOVELTY - A fabric care composition comprises:

(A) fabric care **polysaccharide** with globular structure; and optionally (B) - (J):

(B) 0.01-20 wt % adjunct fabric care oligosaccharide;

(C) adjunct wrinkle control agent;

(D) surfactant;

(E) odor control agent;

(F) **perfume**;

(G) antimicrobial active;

(H) aminocarboxylate chelator;

(I) antimicrobial preservative; and

(J) an aqueous carrier.

The composition is free of any material that would soil or stain fabric under usage conditions.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also provided for:

(a) an article of manufacture comprising a fabric care composition comprising fabric care **polysaccharide** as above;

(b) method of providing a fabric with fabric care benefit by containing the fabric with an effective amount of fabric care **polysaccharide** with globular structure; and

(c) use of the fabric care **polysaccharide** in a fabric care composition.

USE - The fabric care compositions are used to treat fabrics. They may be added during the wash cycle, the rinse cycle or the drying cycle, or are applied from spray containers.

ADVANTAGE - The fabric care compositions improve various properties of fabrics including: wrinkle removal, wrinkle reduction, wrinkle resistance, fabric wear reduction, fabric wear resistance, fabric pilling reduction, fabric color maintenance, fabric color fading reduction, fabric color restoration, fabric soiling reduction, fabric soil release, fabric shape retention and/or fabric shrinkage reduction.

Dwg.0/0

L11 ANSWER 7 OF 17 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD

ACCESSION NUMBER: 2000-108005 [10] WPIDS

CROSS REFERENCE: 2000-089526 [08]; 2000-099613 [08]; 2000-108004 [08];  
2000-118218 [08]

DOC. NO. CPI: C2000-032643

TITLE: Reaction product of an amine with an active compound for use in cleaning compositions provides delayed release of perfume actives.

DERWENT CLASS: A11 A26 A97 D25 E19

INVENTOR(S): BETTIOL, J P; BUSCH, A; DENUTTE, H; LAUDAMIEL, C;  
PERNEEL, P M K; SANCHEZ-PENA, M M; SMETS, J

PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO

COUNTRY COUNT: 87

PATENT INFORMATION:

PATENT NO KIND DATE WEEK LA PG

EP 971025 A1 20000112 (200010)\* EN 46

R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
RO SE SI

WO 2000002991 A1 20000120 (200012) EN

RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL  
OA PT SD SE SL SZ UG ZW

W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT UA UG US UZ VN YU ZA ZW

AU 9949846 A 20000201 (200028)

EP 1095128 A1 20010502 (200125) EN

R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
RO SE SI

## APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 971025	A1	EP 1998-870227	19981028
WO 2000002991	A1	WO 1999-US15665	19990712
AU 9949846	A	AU 1999-49846	19990712
EP 1095128	A1	EP 1999-933892	19990712
		WO 1999-US15665	19990712

## FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9949846	A Based on	WO 200002991
EP 1095128	A1 Based on	WO 200002991

PRIORITY APPLN. INFO: EP 1998-870156 19980710

AB EP 971025 A UPAB: 20010508

NOVELTY - Specific reaction products of amines with active aldehydes or ketones provide delayed release of the active during use in laundry or cleaning.

DETAILED DESCRIPTION - A product of a reaction between a primary amine compound (I), and an active component (II) selected from aldehyde and/or ketone. (I) has an Odor Intensity Index of less than that of a 1% solution of methyl anthranilate in dipropylene glycol and a Dry Surface Odor Index greater than 5 and is not aminostyrene.

INDEPENDENT CLAIMS are included for:

(1) A softening composition comprising a softening compound and a product of a reaction between a primary amine compound, and an active component (II) selected from aldehyde and/or ketone, where the amine has an Odor Intensity Index of less than that of a 1% solution of methyl anthranilate in dipropylene glycol; and

(2) A method of delivering residual fragrance to a surface using the reaction product or composition and a material which releases the fragrance after application.

USE - The reaction product is used in compositions to deliver a residual fragrance to a surface, especially a fabric (claimed). The surface may also be dishware, a floor, a bathroom, a toilet and/or a kitchen surface.

ADVANTAGE - The reaction product is easy to manufacture and provides delayed release of fragrance over a prolonged period of time.

Dwg.0/0

L11 ANSWER 8 OF 17 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD

ACCESSION NUMBER: 2000-089526 [08] WPIDS

CROSS REFERENCE: 2000-099613 [08]; 2000-108004 [08]; 2000-108005 [08]; 2000-118218 [08]

DOC. NO. CPI: C2000-025063

TITLE: Perfumed laundry and cleaning composition for fabrics, ceramics and tiles.

DERWENT CLASS: A97 D25 E19

INVENTOR(S): BETTIOL, J P; BUSCH, A; DENUTTE, H; LAUDAMIEL, C; SMETS, J

PATENT ASSIGNEE(S): (PROC) PROCTER &amp; GAMBLE CO

COUNTRY COUNT: 87

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
EP 971024	A1	20000112	(200008)*	EN	65

R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT

RO SE SI  
 WO 2000002981 A2 20000120 (200012) EN  
 RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL  
 OA PT SD SE SL SZ UG ZW  
 W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB  
 GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
 LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
 TT UA UG US UZ VN YU ZA ZW  
 AU 9948701 A 20000201 (200028)  
 BR 9911976 A 20010327 (200124)  
 BR 9912033 A 20010522 (200132)  
 EP 1144566 A2 20011017 (200169) EN  
 R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
 RO SE SI  
 KR 2001053480 A 20010625 (200173)  
 KR 2001053489 A 20010625 (200173)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 971024	A1	EP 1998-870226	19981028
WO 2000002981	A2	WO 1999-US15666	19990712
AU 9948701	A	AU 1999-48701	19990712
BR 9911976	A	BR 1999-11976	19990712
		WO 1999-US15666	19990712
BR 9912033	A	BR 1999-12033	19990712
		WO 1999-US15678	19990712
EP 1144566	A2	EP 1999-932387	19990712
		WO 1999-US15666	19990712
KR 2001053480	A	KR 2001-700417	20010110
KR 2001053489	A	KR 2001-700439	20010110

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9948701	A Based on	WO 200002981
BR 9911976	A Based on	WO 200002981
BR 9912033	A Based on	WO 200002982
EP 1144566	A2 Based on	WO 200002981

PRIORITY APPLN. INFO: EP 1998-870155 19980710; EP 1999-870025  
 19990211

AB EP 971024 A UPAB: 20020123

NOVELTY - A laundry and cleaning composition comprises a detergent and the reaction product of (i) a primary amine compound and (ii) a ketone and/or aldehyde perfume component. The amine has an Odor Intensity Index of less than that of a 1% solution of methylantranilate in dipropylene glycol. The reaction product has a Dry Surface Odor Index of more than 5.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of delivering residual fragrance to a surface by treating it with the composition and then contacting it with a material (preferably water) which releases the perfume.

USE - Laundry and/or cleaning composition, especially for fabrics, tiles and ceramics (all claimed).

ADVANTAGE - The reaction product is easily manufactured and provides a pleasing fragrance over extended time periods.

Dwg.0/0

TITLE: Filter medium having good adsorption and retention power, useful for separating biological materials such as nucleic acids, comprising water-insoluble linear polysaccharide, e.g. alpha-1,4-D-**glucan**.  
 DERWENT CLASS: A11 A96 A97 B04 D16 J01  
 INVENTOR(S): BENGS, H; BOEHM, G; GRANDE, J; SCHUTH, S  
 PATENT ASSIGNEE(S): (AXIV-N) AXIVA GMBH; (AVET) AVENTIS RES & TECHNOLOGIES GMBH & CO KG; (CELA) CELANESE VENTURES GMBH  
 COUNTRY COUNT: 31  
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
DE 19902917	A1	20000803	(200047)*		19
WO 2000044492	A1	20000803	(200047)	GE	
RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
W: AU CA CN CZ HU JP KR NO NZ PL US ZA					
AU 2000013877	A	20000818	(200057)		
DE 19902917	C2	20010329	(200118)		
EP 1154851	A1	20011121	(200176)	GE	
R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					

#### APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
DE 19902917	A1	DE 1999-19902917	19990126
WO 2000044492	A1	WO 1999-EP9288	19991130
AU 2000013877	A	AU 2000-13877	19991130
DE 19902917	C2	DE 1999-19902917	19990126
EP 1154851	A1	EP 1999-973640	19991130
		WO 1999-EP9288	19991130

#### FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2000013877	A Based on	WO 200044492
EP 1154851	A1 Based on	WO 200044492

PRIORITY APPLN. INFO: DE 1999-19902917 19990126

AB DE 19902917 A UPAB: 20000925

NOVELTY - A filter medium contains at least one water-insoluble linear **polysaccharide** (I).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for (i) a filter device containing the medium, (ii) the preparation of the filter medium or device by dissolving or suspending (I) in a solvent or suspension medium then solidifying the suspension and (iii) the use of (I) as a filter material.

USE - Use of the filter medium is claimed for the separation (and optionally purification and isolation) of biological materials (particularly nucleic acids) from liquids. More generally the filter medium is useful for removing dispersed, emulsified, suspended or dissolved particles from liquids or gases, due to sieving, affinity and/or adsorption effects on its surface and/or in its interior, e.g. in the fields of analytical chemistry, preparative chemistry, biochemistry or molecular biology. Materials to be removed include dyes, aromas, **perfumes**, poisons (e.g. in cigarette smoke), natural or synthetic polymers, and biological materials such as nucleic acids (e.g. single- or double-stranded linear DNA, plasmid DNA or RNA), proteins (e.g. enzymes or antibodies) or nucleic acid-protein complexes. As well as laboratory scale applications, the medium may be used for large-scale separations, e.g. in clarification of liquids, harvesting cells or separation of cell debris.



ADVANTAGE - The filter material has high adsorption and retention power; can be prepared simply and rapidly; is resistant to solvents; is biodegradable; and provides efficient separations of a wide range of mixtures without the need for chemical modification.  
Dwg.0/3

L11 ANSWER 10 OF 17 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD  
ACCESSION NUMBER: 1997-337026 [31] WPIDS  
DOC. NO. CPI: C1997-108287  
TITLE: Hair tonic material for preventing and treating dandruff and hair loss - comprises products of xylo **glucan** prepared by partial decomposition of xyloglucan.  
DERWENT CLASS: B04 D16 D21  
PATENT ASSIGNEE(S): (DAIN) DAINIPPON PHARM CO LTD  
COUNTRY COUNT: 1  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
JP 09136816	A	19970527	(199731)*		7

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
JP 09136816	A	JP 1995-321188	19951114

PRIORITY APPLN. INFO: JP 1995-321188 19951114

AB JP 09136816 A UPAB: 19970731

Hair tonic material contains a decomposed product(s) of xyloglucan prepared by partial decomposition of xyloglucan and having a viscosity as 3% aqueous solution of up to 50 cps, measured by the type-B rotational viscometer. Preferably the material contains one or more of the decomposed products. Preferably the decomposed products are composed of 7-9 or 14-18 saccharide units.

Preferably the xyloglucan is the **polysaccharide** of tamarind seeds.

USE - The material may be tonic, hair cream or shampoo.

It prevents and remedies dandruff and hair loss, and promotes hair growth.

In an example, the tamarind seed **polysaccharide** consists of the beta-1,4-**glucan** principal chain and side chains consisting of xylose and galactose. Xyloglucan is typically decomposed partially with enzyme, acid, alkali and/or ultrasonic waves. The enzyme is typically beta-1,4-glucanase. The amount of the decomposed product used is usually 0.005-10 wt.%, preferably 0.05-5 wt.%. The material optionally contains one or more of surfactants, drugs, moisture-retaining agents, thickeners, preservatives, antioxidants, **perfumes** and colourants.

Dwg.0/0

L11 ANSWER 11 OF 17 USPATFULL

ACCESSION NUMBER: 95:36186 USPATFULL

TITLE: Phosphobetaine and detergent and cosmetic containing the same

INVENTOR(S): Kita, Katsumi, Osaka, Japan  
Uno, Mitsuru, Wakayama, Japan  
Kamitani, Hiroshi, Wakayama, Japan  
Fujikura, Yoshiaki, Chiba, Japan  
Horinishi, Nobutaka, Chiba, Japan  
Kitsuki, Tomohito, Wakayama, Japan  
Imai, Kazuyasu, Tokyo, Japan  
Kajihara, Yasushi, Saitama, Japan

PATENT ASSIGNEE(S): Kao Corporation, Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5409705		19950425
APPLICATION INFO.:	US 1991-796337		19911122 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1991-114685	19910520
	JP 1991-114686	19910520
	JP 1991-147504	19910619
	JP 1991-147506	19910619
	JP 1991-160266	19910701
	JP 1991-164398	19910704

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Page, Thurman K.  
ASSISTANT EXAMINER: Kulkosky, Peter F.  
LEGAL REPRESENTATIVE: Sughrue, Mion, Zinn, Macpeak & Seas  
NUMBER OF CLAIMS: 8  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 11 Drawing Page(s)  
LINE COUNT: 2054

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB. A novel phosphobetaine is disclosed. This compound is very excellence in that it exerts a conditioning effect of imparting a good feel to the skin or hair, is excellent in humidifying properties, is available at a low price, and thus it is highly usable in detergents, cosmetics, a bathing preparation and the like. A detergent composition, a cosmetic, and a bathing preparation each containing the phosphobetaine are also disclosed.

L11 ANSWER 12 OF 17 USPATFULL

ACCESSION NUMBER: 90:27760 USPATFULL  
TITLE: Tablets having improved bioadhesion to mucous membranes  
INVENTOR(S): Gallopo, Andrew R., Garfield, NJ, United States  
Dills, Steven S., Wharton, NJ, United States  
PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4915948		19900410
APPLICATION INFO.:	US 1987-91575		19870831 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
LEGAL REPRESENTATIVE:	Jeannette, Henry C.		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	824		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A tablet having improved bioadhesion to mucous membranes is disclosed. The tablet comprises effective amounts of a water-soluble biopolymer selected from the group consisting of a xanthan gum, a pectin and mixtures thereof; and a solid polyol having a solubility at room temperature in water greater than about 20 grams of polyol per 100 g of solution. Preferably the biopolymer is xanthan gum and the polyol is a sugar alcohol selected from the group consisting of sorbitol, xylitol, and mixtures thereof.

L11 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1989:412346 CAPLUS  
DOCUMENT NUMBER: 111:12346  
TITLE: Cosmetic skin preparations containing neutral polysaccharides from mycobacterium  
INVENTOR(S): Ibe, Sachiaki  
PATENT ASSIGNEE(S): Zeria Pharmaceutical Co., Ltd., Japan  
SOURCE: U.S., 7 pp. Cont. of U.S. Ser. No. 751,148, abandoned.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4818751	A	19890404	US 1986-941555	19861211
PRIORITY APPLN. INFO.:			US 1985-751148	19850702

AB Cosmetic skin preps. comprise 0.01-0.2% of a neutral **polysaccharide** selected from the group consisting of arabinogalactan (av. mol. wt. 30,000), arabinomannan (av. mol. wt. 12,000), and **mannan** (av. mol. wt. 5000). The **polysaccharide** is obtained from cells of Mycobacterium tuberculosis, M. bovis, M. avium, M. microti, M. phlei, and M. smegmatis. This cosmetic smoothly spreads on the skin and shows excellent moisture-retaining action. A lotion contained moisture-retaining components comprising glycerol 4.0, 1,3-butylene glycol 3.0, arabinogalactan 0.05%, an oily component, 2-decyltetradecanol 0.1%, solubilizing agents comprising polyoxyethylene sorbitan monolaurate 1.5, polyoxyethylene lauryl ether 0.5, ethanol 8.0, and **perfume** 0.1, an antiseptic agent q.s., an UV absorber q.s., and water 82.75%.

L11 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1984:594061 CAPLUS  
DOCUMENT NUMBER: 101:194061  
TITLE: Self-supporting **glucan** films  
INVENTOR(S): Hijiya, Hiromi; Miyake, Toshio  
PATENT ASSIGNEE(S): Hayashibara Biochemical Laboratories, Inc., Japan  
SOURCE: Fr. Demande, 14 pp.  
CODEN: FRXXBL  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2537496	A1	19840615	FR 1983-19729	19831209
FR 2537496	B1	19881014		
US 4562020	A	19851231	US 1983-556957	19831201
PRIORITY APPLN. INFO.:			JP 1982-217196	19821211
			JP 1983-149993	19830817

AB Title films with high tensile and bending strength for water-sol., edible packaging materials for food, pharmaceuticals, and perfumes and manufd. by casting an aq. **glucan** [9012-72-0] soln. on a continuous moving corona-treated plastic band, drying, and sepg. from the band. Thus, water contg. corn syrup (dextrose equiv. 43) 10 (based on solids), K<sub>2</sub>HPO<sub>4</sub> 0.6, NaCl 0.1, MgSO<sub>4</sub>.cntdot.7H<sub>2</sub>O 0.02, (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> 0.06, and yeast ext. 0.04% was heated 20 min at 120.degree., inoculated with Aureobasidium pullulans IFO 6353 at 25.degree., stirred and aerated one week, decolorized, partially purified by reverse osmosis, and concd. to give 70% pullulan [9057-02-7] as a 35% soln. This soln. was cast on a continuous, moving, corona-treated polyester band, dried at 90.degree., and sepd. from the

band to give a 0.04-mm-thick transparent film useful as water-sol., edible packaging material.

L11 ANSWER 15 OF 17 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD  
ACCESSION NUMBER: 1984-059243 [10] WPIDS  
DOC. NO. CPI: C1984-025173  
TITLE: Fragrant joss stick prodn. - by mixing **perfume**  
etc. with wood chip and **polysaccharide** binder,  
moulding and drying.  
DERWENT CLASS: D23  
PATENT ASSIGNEE(S): (KOKA-N) KOKANDO KK  
COUNTRY COUNT: 1  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
JP 59016815	A	19840128	(198410)*		4

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
JP 59016815	A	JP 1982-127339	19820720

PRIORITY APPLN. INFO: JP 1982-127339 19820720

AB JP 59016815 A UPAB: 19930925

**Perfumes**, antiseptics, burning aids, carbon powder, fillers, and/or colorants are/is mixed with a wood chip and a binder and the mixt. is moulded and dried. The wood chip of broad-leaved trees contg. no **mannan** is used. The binder is a water-soluble **polysaccharide** contg. 30-80% mannose obtd. from natural plants (e.g. the roots and stems of Amaryllidaceae plants, Araceae plants, or Orchidaceae plants).

The method can effectively produce fragrant joss sticks which have excellent fragranc y and combustibility, etc. The joss sticks can be moulded into any shape, e.g. coiled, bar, etc.

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L11 ANSWER 16 OF 17 WPIDS COPYRIGHT 2002 DERWENT INFORMATION LTD  
ACCESSION NUMBER: 1978-64346A [36] WPIDS  
TITLE: Solid **perfume** compsn. - contains gel-forming  
**polysaccharide** as solidifier.  
DERWENT CLASS: D16 D23 P34  
PATENT ASSIGNEE(S): (IDEK) IDEMITSU IND CO LTD  
COUNTRY COUNT: 1  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
JP 53088334	A	19780803	(197836)*		
JP 56007430	B	19810218	(198111)		

PRIORITY APPLN. INFO: JP 1977-849 19770110

AB JP 53088334 A UPAB: 19930901

The gel-forming **polysaccharide** contains (a) glucose units, (b) **mannan** units, (c) dihydrostreptose units and (d) 3-O-(1'-carboxyethyl)-L-rhamnose units in the molar proportion of (a):(b):(c):(d) of 10:10:1-3:3-8 and contains 8-14% O-acetyl (as acetic acid).

The **polysaccharide** can be obtd. by aerobically culturing

Arthrobacter carbazolum (FERM-P 2574) in nutritive medium. The **perfume** compsn. is prepd. by mixing the **polysaccharide** 0.5-20 w/w%, pref. 1-10 w/w%, **perfume** 1-10 w/w%, pref. 2-5 w/w% and balance water, dissolving uniformly with heat and stirring, pouring the liquid mixt. into a matrix and cooling to solidification.

The solid **perfume** has excellent shape-retaining property, elasticity and stability. The **perfume** compsn. is active for a long time and after exhaustion little residues remains.

L11 ANSWER 17 OF 17 USPATFULL

ACCESSION NUMBER: 78:46618 USPATFULL

TITLE: Tobacco product containing a thermo-gelable .beta.-1,3-**glucan**-type polysaccharide

INVENTOR(S): Maeda, Kazuo, Yokohama, Japan  
Noguchi, Katuichi, Tokyo, Japan  
Kawabata, Masuo, Yokohama, Japan  
Sato, Shigehiko, Tokyo, Japan  
Sato, Yukio, Ibaraki, Japan

PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4109663		19780829
APPLICATION INFO.:	US 1975-620351		19751007 (5)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1974-120189	19741017
	JP 1975-52863	19750430
	ID 1975-5332	19750714

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Michell, Robert W.  
ASSISTANT EXAMINER: Millin, V.  
LEGAL REPRESENTATIVE: Wenderoth, Lind & Ponack  
NUMBER OF CLAIMS: 52  
EXEMPLARY CLAIM: 1  
LINE COUNT: 1299

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A smoking tobacco product, which is produced by incorporating in smoking material a thermo-gelable .beta.-1,3-**glucan**-type polysaccharide, either as the sole smoking material or as its partial replacement, has improved smoking characteristics such as flavor, taste and irritability, and its smoking material has improved physical properties such as thickness, wet-proof qualities, tensile strength, elongation and filling capacity.

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